

# INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS

The *Installation, Maintenance, and Repair* major occupation group has over 97 percent of its employment in middle-skill occupations. The three occupations with the most projected total openings in this group are *Maintenance and Repair Workers, General*; *Automotive Service Technicians and Mechanics*; and *First-Line Supervisors of Mechanics, Installers, and Repairers*. These three occupations combined are projected to have over 5,900 total job openings each year through 2032.

## Top Middle-Skill Installation, Maintenance, and Repair Occupations by Annual Openings

| Occupations   | 2022<br>Estimated<br>Employment | 2032<br>Projected<br>Employment | Annual Openings |       | 2023<br>Average<br>Wage |
|---|---------------------------------|---------------------------------|-----------------|-------|-------------------------|
|   |                                 |                                 | Difference      | Total |                         |
| Maintenance and Repair Workers, General                                       | 32,437                          | 34,812                          | 238             | 3,254 | \$48,080                |
| Automotive Service Technicians and Mechanics                                  | 20,367                          | 20,855                          | 49              | 1,784 | \$47,380                |
| First-Line Supervisors of Mechanics, Installers, and Repairers                | 9,961                           | 10,395                          | 43              | 877   | \$74,900                |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers         | 9,332                           | 9,950                           | 62              | 862   | \$62,530                |
| Bus and Truck Mechanics and Diesel Engine Specialists                         | 7,626                           | 7,734                           | 11              | 642   | \$56,560                |
| Industrial Machinery Mechanics  | 5,919                           | 6,873                           | 95              | 587   | \$58,880                |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 4,353                           | 4,453                           | 10              | 451   | \$61,280                |
| Installation, Maintenance, and Repair Workers, All Other                      | 3,711                           | 3,810                           | 10              | 363   | \$50,550                |
| Automotive Body and Related Repairers   | 3,952                           | 3,985                           | 3               | 342   | \$53,910                |
| Mobile Heavy Equipment Mechanics, Except Engines                              | 3,486                           | 3,739                           | 25              | 321   | \$60,640                |

Skill requirements for occupations can be divided into *common skills* and *specialized skills*. Common skills are applicable across many different industries and occupations and are also known as “soft” skills. The top common skills for *Installation, Maintenance and Repair* occupations include *Troubleshooting* and *Communications*. Specialized skills are more specific to an occupation and are also known as “technical” or “hard” skills. The top specialized skills for *Installation, Maintenance and Repair* occupations include *HVAC* and *Plumbing*.

Certifications can be useful when pursuing an *Installation, Maintenance and Repair* occupation. Some certifications, such as an *Automotive Service Excellence Certification*, are more specialized to a narrow range of jobs, while other certifications, such as a *commercial driver’s license*, are generally applicable to a variety of jobs.

## Top Skills

### Top Common Skills

Troubleshooting (Problem Solving)

Communications

Customer Service

Management

Operations

### Top Specialized Skills

HVAC

Plumbing

Preventive Maintenance

Hand Tools

Machinery

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## Top Certifications

Valid Driver’s License

Automotive Service Excellence (ASE) Certification

Commercial Driver’s License (CDL)

HVAC Certification

EPA 608 Technician Certification

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